

## **APPENDIX F**

### **Laboratory Equipment and Supply List**

#### **Chromogenic Substrate Method**

- **Materials and Equipment**

- Sterile, transparent, non-fluorescent container - 125 mL volume (use containers provided by Colilert kit if available)
- Colilert-18 reagent packets
- Enterolert reagent packets
- Quantitray/2000 trays
- Graduated cylinder, sterile - 100 mL (optional)
- Quantitray/2000 rubber tray insert
- UV cabinet or lamp - long wave, 366nm
- Deionized water – sterile
- Colilert Quantitray/2000 color/fluorescence comparators

#### **Membrane Filtration Method**

- **Materials and Equipment**

- Plate Labeling
  - Indelible marking pen
  - Kimwipes
  - Prepared mEndo, mFC, and mE agar plates
  - Agar plate carrier with dark cover
- Filtration
  - 1 mL and 10 mL sterile, bacteriological or Mohr disposable pipets
  - Pipet biohazard container
  - Vacuum pump
  - Filtration manifold
  - Microfil vacuum support base
  - Microfil filter screen disc (in 95% alcohol jar)
  - Sterile, disposable Microfil funnels
  - Membrane filters - sterile, white, grid-marked, 7 mm diameter filters with 0.45 $\mu$ M pore size
  - Labeled mEndo, mFC, and mE agar plates in covered plate carrier
  - Alcohol lamp
  - 95% and 70% ethanol
  - Glass safety jar with lid
  - Paper towels
  - Sterile, plastic squirt bottle

- Forceps - smooth-tipped stainless steel
  - Pipet bulb
  - Alcohol pads
  - Incubator,  $35.0 \pm 0.5^{\circ}\text{C}$
  - Water bath,  $44.5 \pm 0.2^{\circ}\text{C}$
  - Incubator,  $41.0 \pm 0.5^{\circ}\text{C}$
  - Solid heat-sink fecal coliform incubator,  $44.5 \pm 0.2^{\circ}\text{C}$
  - Matches
  - Long-handled forceps
  - Sterile, phosphate-buffered rinse water
  - Sterile, phosphate-buffered water dilution tubes
- Colony Counting
    - Binocular, stereoscopic microscope with fluorescent lamp
    - Disposable gloves
    - Data worksheets
    - Large biohazard container
    - Incubated mEndo, mFC, and mE agar plates
    - EIA agar plates

